The IEEE Technology Center for Climate (ITCC)

in a nutshell

Clara Neppel, Senior Director European Business Operations, ITCC Lead

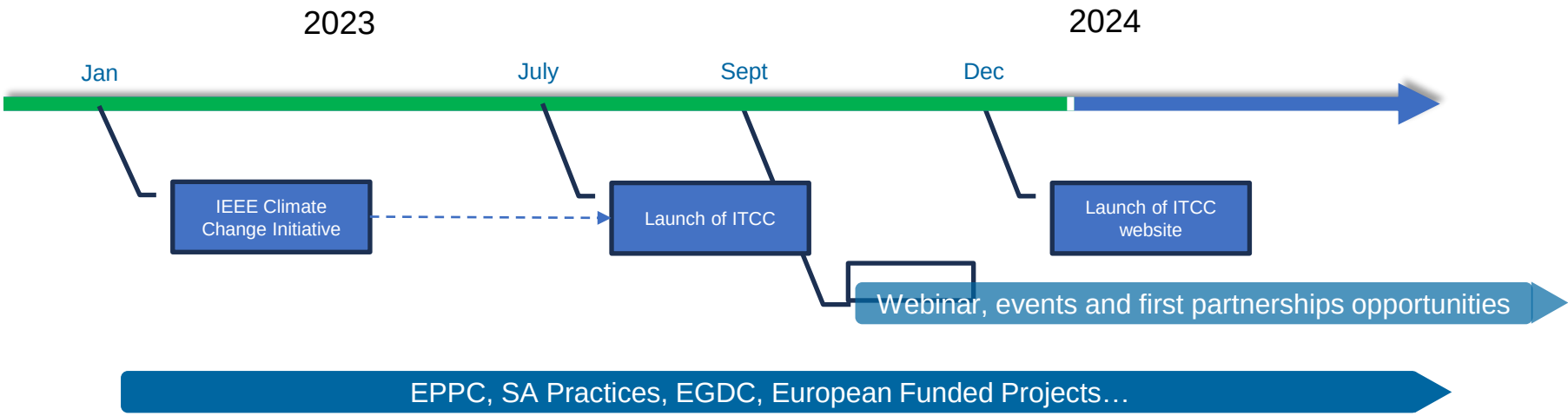
March 2, 2024

IEEE TECHNOLOGY CENTER *for Climate*

IEEE

IEEE Global Office in Vienna

IEEE Technology Center for Climate (ITCC)



https://itcc.ieee.org

https://www.linkedin.com/company/ieee-technology-center-for-climate

IEEE SA STANDARDS ASSOCIATION

IEEE SA CENTERS OF COMPETENCE

Connectivity & Telecom

- Rural
- Next generation telecom
- Wired and hybrid communications

Energy

- Smart energy
- Energy efficiency
- Energy infrastructure

Foundational Technologies

- Industrial IoT
- Consumer technology
- Infrastructure Application Technologies

Health & Life Sciences

- Pharma
- Clinical health
- Wellness

Mobility

- Safe autonomous drivin
- Zero emissions
- MaaS

New Frontiers & Emerging Spaces

- Cybersecurity
- Emerging technology areas

Sustainability

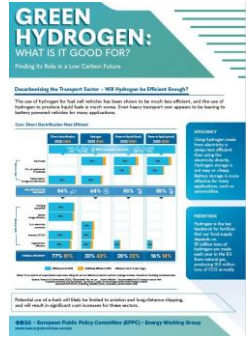
- Sustainability & Design
- Measurement & Accountability
- Energy Transition

European Public Policy efforts related to climate change

- Position “Smart Buildings”
- EC Expert Group on “Smart Readiness Indicator for Buildings”

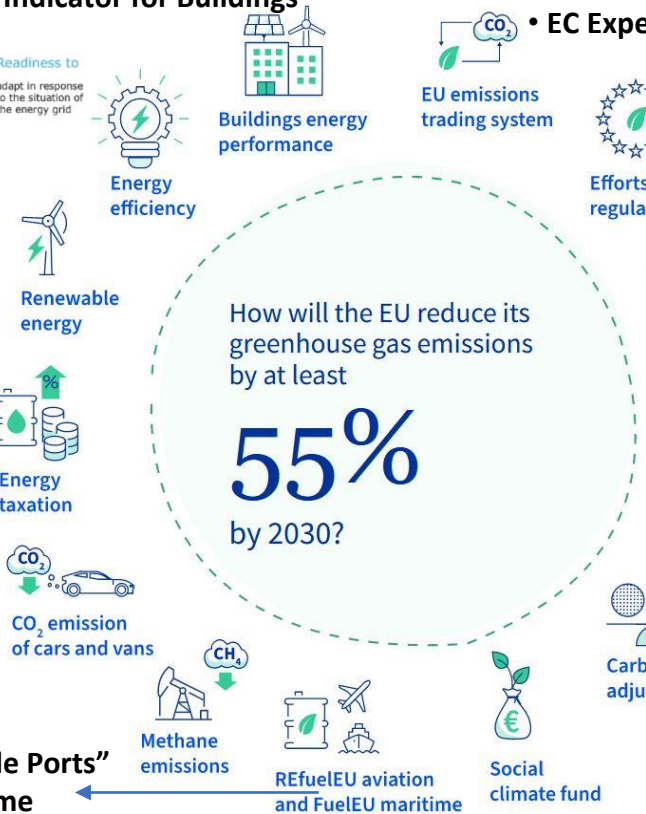
Position on “RES”

- Position “ETS”
- EC Expert Group on Climate Change Policy – ETS 2



- Position on “Green Hydrogen”
- Video “Green Hydrogen”
- Position on “E-mobility: smart charging”

eurelectric powering people



- Position on “Smart and Sustainable Ports”
- IEEE-SA ICP on Sustainable Maritime

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ITCC Aims

Innovation, Collaboration, Sustainability

- **Role of IEEE in climate discussions:** IEEE global membership and technical expertise.
- **Role of ITCC: a link between IEEE and relevant external stakeholders**, through three key pillars:

1

Technology Insight through our Knowledge Collaborative
…**exchange of knowledge**, ideas, and best practices related to technology for climate change and **facilitate listening and learning opportunities**…

2

Collaboration and Partnership
…**interdisciplinary collaboration** among industry, policy makers, academia and other leading institutions…

3

Informing Policies through Vetted Technical Expertise
…engage with policy makers and regulatory bodies to provide **technical expertise and insights** into the development and implementation of climate policies…

Where We Connect

Projects and Meetings

EU Meetings

2023 IEEE President and CEO Saifur Rahman in meetings: **EU Green Week** on June 8 and **European Sustainable Energy Week** (EUSEW) on June 20, 2023.

IRENA

IEEE Young Professionals at the **IRENA Innovation Week** participate in the Youth & Innovators Hub to highlight the importance of collaboration and innovation for a sustainable future.

In Video

IEEE Young Professionals video at **IRENA** event on the importance of collaboration.

Where We Connect

Projects and Meetings

Digital Product Passport

Workshop with the **UN Industrial Development Organization, European Commission**, **Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation, and Technology** (BMK) and the industry association **Industrie 4.0 Austria** on the technical aspects of circular economy and **Digital Product Passport**.

EU Meetings…

EUROPEAN GREEN DIGITAL COALITION

Funded by the European Union

EGDC Members and Partners Meeting in Brussels to discuss **draft guidelines** to estimate the **net environmental impact of digital solutions** and **the next phase** of the European Green Digital Coalition.

Webinar Series with Reuters

Empowering the Green Tech Revolution: From Design to Deployment

In line with its **pillars**, ITCC launched a series of events in cooperation with Reuters Events Sustainable Business. Our webinar series explored an **initial set of 6 themes** and explored how **technology contributes to climate goals and sustainability**….

THEMES
Electrification, Frontier Technologies for Climate, Green Digital Transformation, Skills for Sustainability, Circularity, Tools and Methodologies for Climate-Related Assessment and Reporting

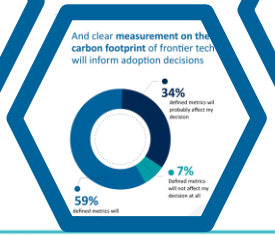
SPEAKERS (Industry)
Iberdrola, Intel, Kimberly-Clark, Microsoft, Nokia, PWC, SAP, SBTI, Schneider Electric, Siemens, Coach, DHL

SPEAKERS (academia/policy)
Carbon Trust, CISL, EC, Ellen MacArthur Foundation, EPFL, OECD, UN, Circular Economy Institute

6 monthly webinars from Sept 23-Feb 24

6,000 Registrations
3,000 New IEEE Contacts

4 surveys
860 respondents



+1,000 live audience
+450 On demand replays

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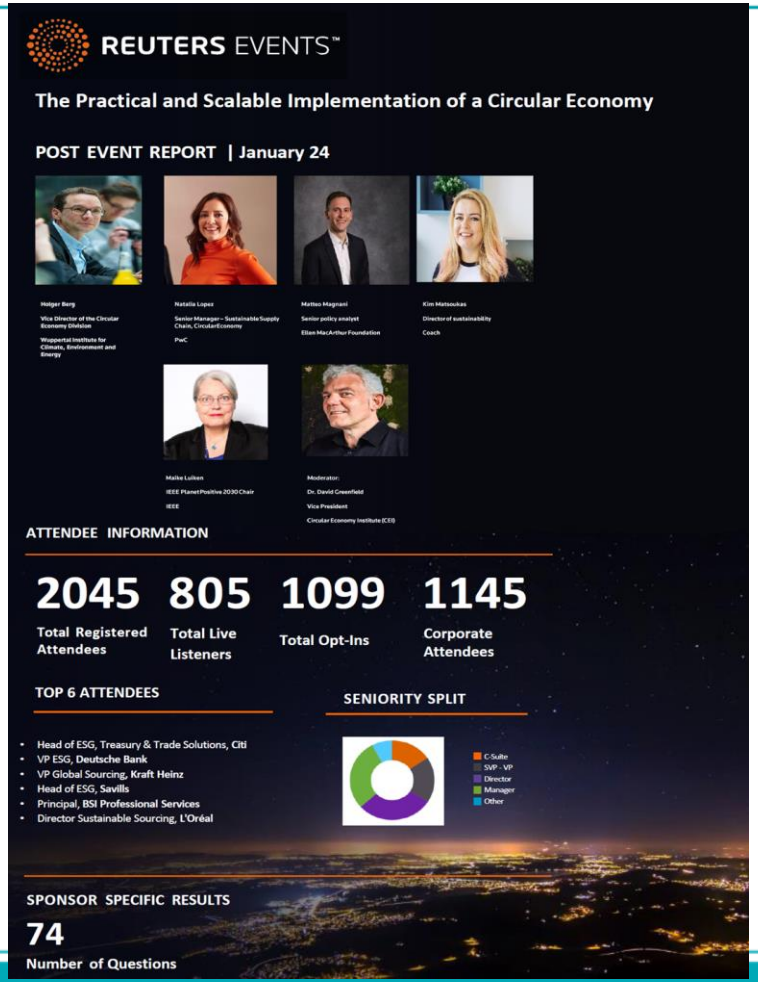
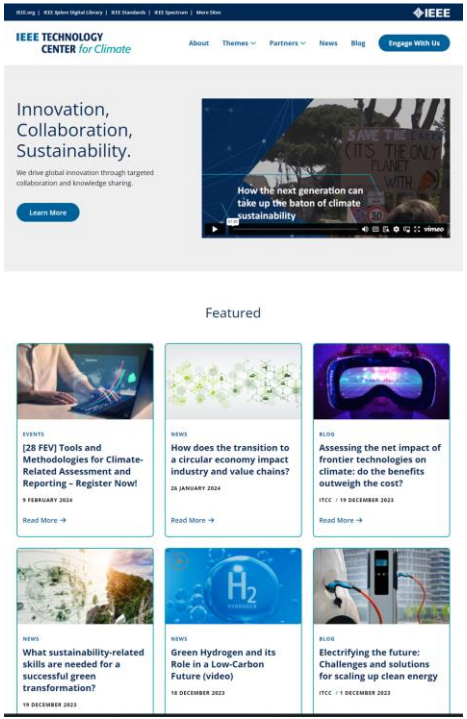
IEEE: Enabling Innovation and Technology Solutions

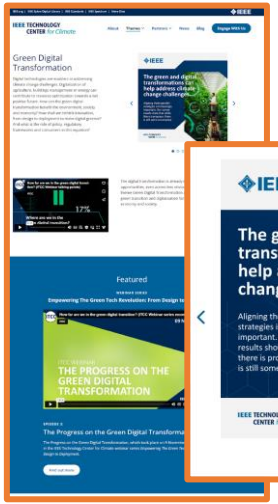
More information: https://itcc.ieee.org/#webinar-series


REUTERS EVENTS™
The Practical and Scalable Implementation of a Circular Economy
POST EVENT REPORT | January 24
Holger Berg
Vice Director of the Circular Economy Division
Wuppertal Institute for Climate, Environment and Energy
Natalia Lopez
Senior Manager – Sustainable Supply Chain, CircularEconomy
PwC
Matteo Magnani
Senior policy analyst
Ellen MacArthur Foundation
Kim Matsoukas
Director of sustainability
Coach
Maike Lulken
IEEE PlanetPositive 2030 Chair
IEEE
Moderator:
Dr. David Greenfield
Vice President
Circular Economy Institute (CEI)
ATTENDEE INFORMATION
2045
Total Registered Attendees
805
Total Live Listeners
1099
Total Opt-Ins
1145
Corporate Attendees
TOP 6 ATTENDEES
Head of ESG, Treasury & Trade Solutions, Citi
VP ESG, Deutsche Bank
VP Global Sourcing, Kraft Heinz
Head of ESG, Savills
Principal, BSI Professional Services
Director Sustainable Sourcing, L'Oréal
SENIORITY SPLIT
C Suite
SVP - VP
Director
Manager
Other
SPONSOR SPECIFIC RESULTS
74
Number of Questions

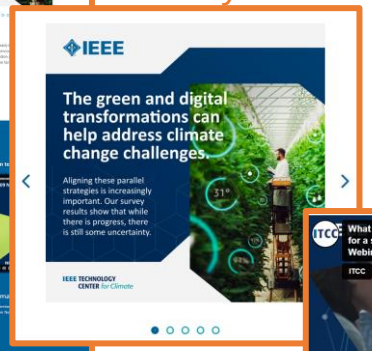
ITCC Website



Theme Pages

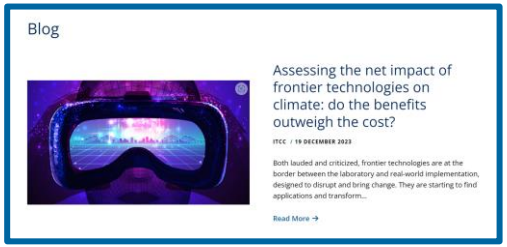


Surveys



Videos

ITCC Blog



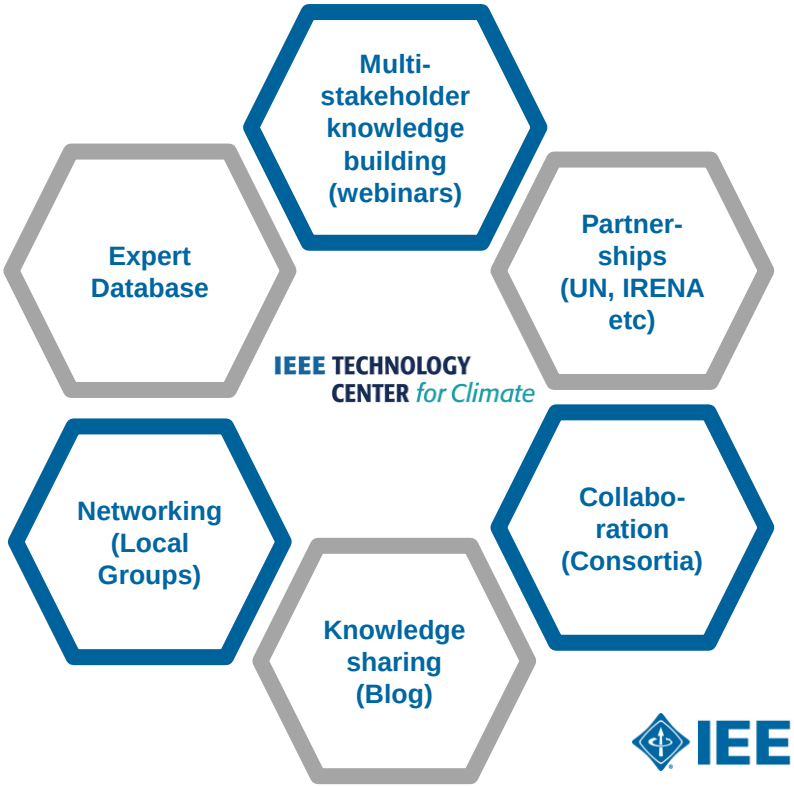
Engage!

IEEE

ITCC – what's next

Opportunities to engage with us

ITCC will now tap into this **wealth of knowledge** and explore collaboration opportunities including **partnerships**, **communities of practice (CoP)**, IEEE expert pooling and **sharing of expertise** with external partners.



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Engage with us

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